Title (en)

HEATING APPLIANCE

Publication

EP 0320072 B1 19930310 (EN)

Application

EP 88202803 A 19881207

Priority

NL 8702987 A 19871210

Abstract (en)

[origin: EP0320072A2] Heating appliance, comprising a burner of the type having full premix and forced draught, and having a mixing chamber (2) to which an air supply line (3) and a fuel supply (4) are connected, said mixing chamber having a burner plate (5) which is provided with apertures and which adjoins a combustion chamber (7) in which a heat exchanger (8) is disposed some distance from the burner plate and is passed through by a medium to be heated, a flue (9) being connected to said combustion chamber. In order to avoid condensation of the flue gases in cases said heating appliance is functioning with a minimum load i.e. when little fuel and consequently little combustion air are supplied means are present for varying the effective heat transfer of the flue gases to the heat exchanger. Said means comprise in a first embodiment an addition air supply line (15) which opens into the combustion chamber in the space between the heat exchanger and the burner plate, and means (18, 19) are present to ensure that the quantity of air conveyed via this supply line directly into the combustion chamber is regulated depending on the load on the heating appliance.

IPC 1-7

F24H 1/40; F24H 9/00

IPC 8 full level

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CPC (source: EP US)

F24H 1/40 (2013.01 - EP US); **F24H 9/0036** (2013.01 - EP US)

Cited by

FR2955923A1; EP0558334A1; EP1081435A3; GB2257500A; EP0493345A3

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EP 0320072 A2 19890614; **EP 0320072 A3 19890809**; **EP 0320072 B1 19930310**; DE 3879124 D1 19930415; DE 3879124 T2 19930819; DK 167631 B1 19931129; DK 671788 A 19890611; DK 671788 D0 19881201; NL 8702987 A 19890703; US 4898146 A 19900206

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